



COMMONWEALTH of VIRGINIA

Department of Health DIVISION OF SHELLFISH SANITATION

109 Governor Street, Room 614-B
Richmond, VA 23219

Ph: 804-864-7487

Fax: 804-864-7481

SARAH CREEK AND PERRIN RIVER

Growing Area # 046

Gloucester County

Shoreline Sanitary Survey

Date: 26 June 2000

Survey Period: June 18, 1999 - May 4, 2000

Total Number of Properties Surveyed: 1553

Surveyed by: H.R. Barker, Jr., T.D. Fearington, H.J. Isiminger, and J.E. Merritt

SECTION A: GENERAL

This survey area extends from Reference Point 46 at the southernmost point of Jenkins Neck on the York River to Reference Point 47 at the George F. Coleman Memorial Bridge where U.S. Route 17 crosses the York River at Gloucester Point, including the York River shoreline between these two points, Perrin River, Sarah Creek (Northeast and Northwest Branches) and all their tributaries. The survey boundary has been revised. See map for current boundary.

The topography in this area varies in elevations from 5' or less along the shoreline to a maximum of 25' near the western edge of the survey boundary. The population density is concentrated around Gloucester Point and Bena and becomes somewhat sparse in the areas of Achilles and Perrin. The economy is based mainly on service oriented businesses, recreation, and the seafood industry. Perhaps the largest employer is the Virginia Institute of Marine Science (VIMS) at Gloucester Point.

Meteorological data indicated that the area received a total rainfall of 51.96" for the survey period. A monthly breakdown is as follows:

June 18-30, 1999	1.17"	October	8.81"	February	2.68"
July	5.07"	November	0.22"	March	5.54"
August	4.40"	December	1.31"	April	6.10"
September	13.48"	January, 2000	3.18"	May 1-4	0.00"

The extremely high rainfall amount in September, 1999, is attributable to the passage of Hurricanes Dennis and Floyd through the survey area. The amount of rain registered for this month was unusually low compared to many other areas in close proximity. These two storms resulted in considerable tidal and rain related flooding in the area.

International Seafood Distributors and Imperial Oceans Seafood are now connected to a force main, which delivers sewage to the Hampton Roads Sanitation District's Yorktown Treatment Works. The York River Crossing Shopping Center, VIMS, York River Yacht Haven Marina, and several private residences have also connected to the sewer line.

The current restrictions on shellfish harvesting are Condemned Shellfish Area #52, Sarah Creek,

revised 1 August 1995 and Condemned Shellfish Area #81, Perrin River, revised 4 August 1999. Copies for Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the internet at <http://www.vdh.virginia.gov/environmentalhealth/shellfish/>.

Information in this report is gathered by and primarily for use of the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data is made available to various agencies participating in shellfish program coordinated activities and other interested parties.

Report copies are provided to the local health department for corrective action of deficiencies listed on the summary page in Sections B.2. and B.3. and the Department of Environmental Quality for possible action at the properties listed on the summary page in Section C.1.. The Division of Soil and Water Conservation is provided information on possible sources of animal pollution found in Section E.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. "**DIRECT**" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT WORKS

-None-

ONSITE SEWAGE DEFICIENCIES

3. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 2025 Cook's Landing Road, Achilles 23001. Dwelling - white aluminum siding 1½ story with green shutters and 2 outbuildings. No contact. Laundry waste drains through a 1" underground white PVC pipe into a shallow ditch behind laundry building. Sanitary Notice issued 7-23-99 to field #A94.
8. NO FACILITIES, **DIRECT** – Location: Perrin River pier, end of Perrin Creek Road, Achilles 23001. Owner: Department of Game and Inland Fisheries, 4010 West Broad Street, Richmond 23230. Public pier. No contact. Sanitary Notice issued 6-22-00 to field #A110.
10. CONTRIBUTES POLLUTION – Location: 9575 Ban Road, Achilles 23001. Dwelling - gray aluminum siding 2 story with white trim and a metal roof. No contact. Septic tank lid removed, exposing contents; and

CONTRIBUTES POLLUTION – (Kitchen or Laundry Wastes) - Kitchen or laundry waste drains from rear of house through a 2" white PVC pipe onto ground surface. Sanitary Notice issued 7-29-99 to field #A128.
13. CONTRIBUTES POLLUTION – Location: 1930 Railway Road, Bena 23018. Dwelling - olive frame 1 story with white trim and red shutters. No contact. Effluent erupting from distribution box onto ground surface. Sanitary Notice issued 2-29-00 to field #A256.

14. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 9477 Cuba Road, Bena 23018. Dwelling - cream vinyl siding 1½ story with white trim. No contact. Laundry waste drains through a pipe onto ground surface under oil tank in back yard. Sanitary Notice issued 2-29-00 to field #A259.
18. NO FACILITIES, **DIRECT** – Location: between State Dock and 8391 Oyster Cove Road, Bena 32018. Owner: 1578 Victory Hill Road, Hayes 23072. Dwelling - white clapboard 1 story on a construction block foundation. No contact. Observed night pails inside house. Sanitary Notice issued 3-9-00 to field #H216.
19. CONTRIBUTES POLLUTION – Location: 1724 Party Lane, Bena 23018. Dwelling - tan double wide house trailer with additions. No contact. Effluent erupting from drainfield onto ground surface. Sanitary Notice issued 3-10-00 to field #H229.
20. CONTRIBUTES POLLUTION – Location: 1870 Mark Pine Road, Bena 23018. Dwelling - white block 1 story with a black and white awning above the front door. 3 persons. Effluent erupting from drainfield onto ground surface in front yard. Sanitary Notice issued 3-24-00 to field #H247.
21. CONTRIBUTES POLLUTION – Location: 8036 Blakes View Road, Bena 23018. Owner: P.O. Box 949, Hayes 23072. Dwelling - brick 1 story rancher with tan trim and a gravel driveway on right and a detached garage in the rear. No contact. Effluent erupting from drainline onto ground surface. Sanitary Notice issued 3-24-00 to field #H253.
22. CONTRIBUTES POLLUTION – Location: 1942 Holly Cove Road, Bena 23018. Owner: c/o Louis Pierce, 6726 Allmondsville Road, Gloucester 23061. Dwelling - blue frame 2 story duplex on a concrete slab. No contact. Effluent erupting from septic tank onto ground surface. Sanitary Notice issued 4-6-00 to field #H307.
24. CONTRIBUTES POLLUTION – Location: end of Copeland Lane, Bena 23018. Dwelling - tan and white house trailer with a yellow barn. No contact. Effluent erupting from septic tank onto ground surface. Sanitary Notice issued 4-20-00 to field #H316.
26. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 2210 Heywood Lane, Bena 23018. Dwelling - olive vinyl siding 1½ story with white trim, gambrel roof, and a sun porch under construction. No contact. Laundry waste discharges through a 2" white PVC pipe into an open trench that drains to a roadside ditch. Sanitary Notice issued 4-5-00 to field #X33.
28. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) - Location: 8471 Circle Drive, Hayes 23072. Dwelling - white frame 1 story with rust shutters. 4 persons. Laundry waste drains through a 2" black hose from underground hose onto ground surface near wood pile in back yard. Sanitary Notice issued 2-24-00 to field #C113.
31. CONTRIBUTES POLLUTION – Location: 1823 Lillaston Lane, Hayes 23072. Dwelling - white vinyl siding 2 story with gray shutters and a large porch. 2 persons. Owner using a hose to drain effluent from the distribution box into a wooded area of the back yard. Sanitary Notice issued 3-1-00 to field #C146.
32. NO FACILITIES, **DIRECT** – Holly Cove Marina, 1772 Lillaston Lane, Hayes 23072. Private marina. 2 employees. Owner using commercial privy for boaters. Sanitary Notice issued 6-22-00 to field #C155.

34. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 1955 West Lane, Hayes 23072. Dwelling - white vinyl siding 1 story. 3 persons. Laundry waste drains through a 2" black hose into a 4" ribbed plastic pipe into a wooded area behind the house. Sanitary Notice issued 3-31-00 to field #C222.
37. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 7925 Marina Way, Hayes 23072. Owner: P.O. Box 180, Hayes. Dwelling - brown stucco and frame 1 story. 2 persons. Unapproved plywood lid over grease trap. Sanitary Notice issued 4-6-00 to field #C264.
38. CONTRIBUTES POLLUTION – Location: 7882 Tidemill Road, Hayes 23072. Dwelling - white frame 2 story with blue shutters. 2 persons. Effluent erupting from the lid of an exposed septic tank onto ground surface in back yard. Sanitary Notice issued 4-7-00 to field #C291.
39. CONTRIBUTES POLLUTION, **DIRECT** – Location: 1989 Booker Street, Hayes 23072. Dwelling - gray asbestos siding 1 story with blue-gray shutters. No contact. Effluent erupting from end of drainfield onto ground surface and draining into a small stream behind house. Sanitary Notice issued 4-20-00 to field #C348.
43. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) - Location: 7798 Tillage Estate Lane, Gloucester Point 23062. Dwelling - gray asbestos siding 2 story with white trim. 3 persons. Laundry waste erupting from grease trap onto ground surface beside house. Sanitary Notice issued 4-26-00 to field #C366.
44. CONTRIBUTES POLLUTION, **DIRECT** – Location: 1887 George Washington Memorial Highway, Gloucester Point 23062. Dwelling - blue frame 1 story. 3 persons. Effluent erupting from septic tank into a cut ditch that drains to a small stream in a wooded area behind house. Sanitary Notice issued 4-28-00 to field #C372.
45. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 7825 Waters Edge Lane, Gloucester Point 23062. Dwelling - gray vinyl siding 1 story with white trim and gray shutters. No contact. Laundry waste drains through a garden hose underneath crawl space door onto ground surface in back yard. Sanitary Notice issued 4-28-00 to field #C382.
47. CONTRIBUTES POLLUTION – Location: 7597 Spencer Road, Gloucester Point 23062. Owner: 7593 Spencer Road, Gloucester Point. Dwelling - white frame summer cottage 1 story. No contact (vacant). Owner using a sump pump to pump effluent from septic tank onto ground surface. Effluent is draining into an adjacent pond. Sanitary Notice issued 3-29-00 to field # D357.
48. CONTRIBUTES POLLUTION – Occupant: East Coast/Subway, 1569 George Washington Highway, Gloucester Point 23062. Owner: East Coast Oil Corporation, c/o Bob Todd, 1420 East Commerce Avenue, Richmond 23224. Business- gas station/convenience store/ sandwich shop. 12 employees. Effluent erupting from pump station onto ground surface. Sanitary Notice issued 3-31-00 to field #D373.
49. CONTRIBUTES POLLUTION – Occupant: Carl's Automotive and Truck Repair, 1483 George Washington Memorial Highway, Gloucester Point 23062. Owner: Thrift Oil Company, P.O. Box 235, Urbanna 23175. Business- car and truck repairs only. 2 employees. Effluent erupting from septic tank onto ground surface. Sanitary Notice issued 3-31-00 to field #D376.

POTENTIAL POLLUTION

2. Location: 2151 Jenkins Neck Road, Hayes 23072. Dwelling - white frame 2 story with blue trim. 2 persons. Owner stated that the toilets back up during wet weather. No evidence of discharge at time of inspection.
11. Location: 8944 Guinea Road, Hayes 23072. Dwelling - white vinyl siding 1 story. 2 persons. Owner stated that the toilets do not flush properly during saturated conditions. No evidence of discharge at time of inspection.
25. Location: 8634 Guinea Road, Bena 23018. Dwelling - white asbestos shingle and brick 1½ story with red shutters. 4 persons. Owner stated that the toilets are slow to flush during saturated conditions. No evidence of discharge at time of inspection.
29. Location: 8420 Circle Drive, Hayes 23072. Dwelling - brick 1 story with tan trim and brown shutters. No contact. A 2" white PVC pipe of undetermined origin extends through the bulkhead into the canal. No evidence of discharge at time of inspection.
30. Location: Circle Drive, Hayes 23072. Dwelling - white vinyl siding 1 story with rust shutters and an above ground pool in rear. 3 persons. Owner stated that during heavy rains the toilets and sinks drain very slowly. No evidence of discharge at time of inspection.
40. Location: Jordan Road (house immediately before 7731 Jordan Road), Gloucester Point 23062. Dwelling - white vinyl siding 1 story with white and brown aluminum awnings. No contact. A 1½" white PVC pipe of undetermined origin extends out of a backyard slope over creek. No evidence of discharge at time of inspection.
41. Location: 7731 Jordan Road, Gloucester Point 23062. Dwelling - brick 1 story with white trim. A 4½" ceramic pipe of undetermined origin extends out of a backyard slope into stream. No evidence of discharge at time of inspection.

SECTION C: NONSEWAGE WASTE SITES

INDUSTRIAL WASTES

4. ***DIRECT*** - Occupant: King's Seafood, end of Cook's Landing Road, Hayes 23072. Owner: Joe King, Route 2, Box 140, Hayes. Business- finfish packer. 4 employees. Floor drains and washdown wastes discharge into Perrin River. Has VPDES Permit #VAG524065 from the Department of Environmental Quality, Piedmont Regional Office (DEQ-PRO).
6. ***DIRECT*** - Occupant: York River Seafood Company, Incorporated, 9725 York River Seafood Lane, Hayes 23072. Owner: P.O. Box 239, Hayes. Business- crab processor (VA-43C), shellstock shipper (VA-82SS), and finfish packer. 40 employees. Hand basins, utensil sinks, and wash down wastes discharge into Perrin River. Has VPDES Permit #VAG524025 (DEQ-PRO).
27. ***DIRECT*** - Occupant: Cook's Seafood Company (Cook's Oyster Company, Incorporated), Lillaston Road, Bena 23018. Owner: E. N. Cook, P.O. Box 99, Bena. Business- finfish packer and cold storage. 20 employees. Floor drains from the vacant oyster house, coolers, freezers, and washdown wastes from the fish dock discharge into Sarah's Creek. Has VPDES Permit #VAG524054 from (DEQ-PRO).

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

4. King's Seafood, end of Cook's Landing Road, Achilles 23001. Owner: Route 2, Box 140, Hayes 23072. Commercial seafood dock. 4 employees. 6 seasonal slips/moorings available. Present at time of survey was 1 work boat under 26' and 1 work boat over 26'. Boating services provided are fuel, water, and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 privy for men and 1 privy for women. Privies are used as a portable toilet dump station. There are no boat holding tank pump-out facilities available at this location.
5. Herman Greene and Sons Seafood, end of Cook's Landing Road, Achilles 23001. Owner: 3913 Hunter Lane, Hayes 23072. Commercial seafood dock. 6 employees. 13 seasonal slips/moorings available. Present at time of survey were 2 work boats under 26' and 3 work boats over 26'. The only boating service provided is fuel. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode, 1 lavatory, and 1 shower for men. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. There are no boat holding tank pump-out facilities or portable toilet dump station facilities available at this location.
6. York River Seafood, 9725 York River Seafood Lane, Hayes 23072. Owner: PO Box 239, Hayes. Commercial seafood dock. 40 employees. 29 seasonal slips/moorings available. Present at time of survey were 2 work boats under 26' and 11 work boats over 26'. Boating services provided are fuel and water. Containers are available for solid waste collection. Sanitary facilities provided are 1 privy and 1 lavatory for men and 3 privies and 1 lavatory for women. Privies are used as a portable toilet dump station. Owner has an exemption to the requirement to provide boat holding tank pump-out facilities at this location.
7. Cook's Landing Marina (Perico Corporation), 9737 Cook's Landing Road, Hayes 23072. Commercial marina. 3 employees. 236 seasonal slips/moorings/30 transient slips/moorings available. Present at time of survey were 78 pleasure boats and 2 work boats under 26' and 57 pleasure boats over 26'; and in dry storage there were 9 pleasure boats under 26' and 3 pleasure boats over 26'. Boating services provided are fuel, repair, an in-out ramp, water, and electricity. Container are available for solid waste collection. Sanitary facilities provided are 2 commodes, 3 urinals, 4 lavatories, and 5 showers for men; and 5 commodes, 4 lavatories, and 4 showers for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. There are no portable toilet dump station facilities available. Boat holding tank pump-out facilities are provided at this location.
9. Bennie Belvin pier, 9662B Ban Road, Achilles 23001. Owner: 9662A Ban Road, Achilles. Commercial seafood dock. 3 employees. 15 seasonal slips/moorings available. Present at time of survey were 9 work boats over 26'. Boating services provided are fuel, water, and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode and 2 lavatories for men and 1 commode for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Portable toilet dump station facilities are provided. Owner has an exemption to the requirement to provide boat holding tank pump-out facilities at this location.

15. B and R Marine Service and Railway, PO Box 40, Bena 23018. Boat repair facility. 2 employees. 7 seasonal slips/moorings available. Present at time of survey was 1 work boat and 1 pleasure boat over 26'. Boating services provided are an in-out ramp, repair, water, and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode, 1 privy, and 1 lavatory for men. Portable toilet dump station facilities are provided. Owner has an exemption to the requirement to provide boat holding tank pump-out facilities at this location.
27. Cook's Seafood, Incorporated, end of State Route 707, Bena 23018. Owner: PO Box 99, Bena. Fish offloading dock. 20 employees. 10 seasonal slips/moorings available. Present at time of survey was 1 work boat over 26'. Boating services provided are fuel, an in-out ramp, water, and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode, 1 commercial privy, and 1 lavatory for men; and 1 commode and 1 lavatory for women. There are no portable toilet dump station facilities provided. Owner has an exemption to the requirement to provide boat holding tank pump-out facilities at this location.
32. Holly Cove Marina, 1172 Lillaston Lane, Hayes 23072. Private marina. 2 employees. 7 seasonal slips / 8 moorings available. Present at time of survey were 10 pleasure boats under 26' and 1 pleasure boat over 26'. Boating services provided are an in-out ramp, water, and electricity. There are no containers available for solid waste collection. Sanitary facilities provided are 1 commercial unisex privy. Sewage disposal is by pump and haul. There are no boat holding tank pump-out facilities or portable toilet dump station facilities provided at this location.
33. Sawgrass Pointe Marina (Sawgrass Homeowners Association), 487 McLaws Circle, Suite 2, Hayes 23072. Private marina. 1 person. 26 seasonal slips/moorings available. Present at time of survey were 4 pleasure boats under 26' and 6 pleasure boats over 26'. Boating services provided are water and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode and 1 lavatory for men; and 1 commode and 1 lavatory for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Portable toilet dump station facilities are provided. Owners have an exemption to the requirement to provide boat holding tank pump-out facilities at this location.
35. Dockside Condominium (Dockside Condominium Unit Owners Association), PO Box 1490, Gloucester 23061. Private marina. 1 person. 76 seasonal slips/moorings/3 transient slips/moorings available. Present at time of survey were 21 pleasure boats under 26' and 17 pleasure boats over 26'. Boating services provided are water and electricity. Containers are available for solid waste collection. Boat holding tank pump-out facilities are available; however, it is generally kept locked. Residents use the pump-out facilities at York River Yacht Haven. Owners have an exemption to the requirement to provide onshore sanitary facilities and portable toilet dump station facilities at this location.
36. Gloucester Point Marina, 7871 Marina Way, Gloucester 23072. Owner: PO Box 4137, River Edge, New Jersey 07761. Commercial marina. 2 employees. 49 seasonal slips/moorings/1 transient slip/mooring/29 dry storage spaces available. Present at time of survey were 2 work boats and 15 pleasure boats under 26' and 21 pleasure boats over 26'; and in dry storage there were 17 pleasure boats under 26' and 8 pleasure boats over 26'. Boating services provided are an in-out ramp, water, and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode, 1 lavatory, and 1 shower for men; and 1 commode, 1 lavatory, and 1 shower for women. Sewage

disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Boat holding pump-out facilities are available, but not operable. Portable toilet dump station facilities are provided at this location.

42. Jordan Marine Service, Incorporated, end of Jordan Road, Gloucester Point 22062. Owner: PO Box 691, Gloucester Point. Boat repair facility. 6 employees. 36 seasonal slips/moorings / 10 dry storage spaces available. Present at time of survey were 6 pleasure boats under 26'; and in dry storage there were 2 work boats and 17 pleasure boats under 26' and 4 pleasure boats over 26'. Boating services provided are repair, water, and electricity. Containers are available for solid waste collection. Sanitary facilities provided are 1 commode and 1 lavatory for men; and 1 commode and 1 lavatory for women. Sewage disposal is to a septic tank with drainfield, which appeared to be in satisfactory condition at time of inspection. Portable toilet dump station facilities are not provided. Boat holding tank pump-out facilities are available at this location.
46. York River Yacht Haven, end of Yacht Haven Road, Gloucester Point 23062. Owner: A.B.A. Corporation, PO Box 1070, Gloucester Point. Commercial marina. 20 employees. 288 seasonal slips/moorings / 13 transient slips/moorings / 125 dry storage spaces available. Present at time of survey were 4 work boats and 56 pleasure boats under 26' and 188 pleasure boats over 26'; and in dry storage there are 5 work boats and 31 pleasure boats under 26' and 59 pleasure boats over 26'. Boating services provided are fuel, repair, water, and electricity. Containers are available for solid waste collection. Sanitary services provided are 8 commodes, 4 urinals, 8 lavatories, and 5 showers for men; and 8 commodes, 8 lavatories, and 5 showers for women. Sewage disposal is to Hampton Roads Sanitation District. Boat holding tank pump-out facilities and portable toilet dump station facilities are available at this location.

OTHER PLACES WHERE BOATS ARE MOORED

8. Perrin River pier, end of Perrin River Road, Achilles 23001. Owner: Department of Game and Inland Fisheries, 4010 West Broad Street, Richmond 23230. Public pier. No contact. 8 seasonal slips/moorings available. Present at time of survey were 3 work boats over 26'. There are no boating services, containers for solid waste, sanitary facilities, boat holding tank pump-out facilities or portable toilet dump station facilities provided at this location.
50. Gloucester Point boat ramp, end of Greate Road, Gloucester Point 23062. Owner: Department of Game and Inland Fisheries, 4010 West Broad Street, Richmond 23230. Public boat ramp. No contact. There were no boats present at time survey. The only boating service provided is an in-out ramps. Containers are available for solid waste collection. Sanitary facilities provided are 2 commercial unisex privies. Sewage disposal is by pump and haul. There are no boat holding tank pump-out facilities or portable toilet dump station facilities provided at this location.

UNDER SURVEILLANCE

-None-

SECTION E: CONTRIBUTES ANIMAL POLLUTION

1. ***DIRECT*** - Location: 1626 Jenkin's Neck Road, Hayes 23072. Dwelling - beige house trailer with brown trim. No contact. Present at time of survey were approximately 30 penned geese, 2 swans and 1 penned hog. Swans have direct access to the York River. Waste disposal is unknown.
12. Location: 9091 Cuba Road, Bena 23018. Owner: 9101 Cuba Road Bena. Dwelling - gray faux frame panel double wide house trailer with white trim and red shutters and a frame barn. 5 persons. Present at time of survey were 5 horses in a fenced pasture. Manure is used by a landscaping firm.
16. ***DIRECT*** - Location: 1518 Shorewood Farm Lane, Hayes 23072. Dwelling - brick contemporary with a garage on the left and a circular driveway. No contact. Present at time of survey were 30 pigmy goats, 1 horse, and approximately 20 chickens in pens. Goats have direct access to a swale that drains to the Perrin River. Manure disposal is unknown.
17. Rinecker, Incorporated, PO Box 398, Bena 23018. Dwelling - large farm with 3 houses, pastures, stable, and barn. 4 full time/2 part time caretakers. Present at time of survey were 10 ponies and horses in fenced pastures. Manure is used in gardens and given away as fertilizer.
23. Location: 8717 Blake's View Road, Bena 23018. Dwelling - white vinyl siding 1 story with a garage on the right. No contact. Present at time of survey were 10 cows in a fenced pasture. Manure disposal is unknown.

SUMMARY

Area # 046
Sarah Creek and Perrin River
26 June 2000

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT WORKS

0 – DIRECT – None

0 – INDIRECT – None

0 – B.1. TOTAL

2. ONSITE SEWAGE DEFICIENCIES – Correction of deficiencies in this section is the responsibility of the local health department.

2 – CONTRIBUTES POLLUTION, DIRECT – # 39, 44

12 – CONTRIBUTES POLLUTION, INDIRECT – # 10, 13, 19, 20, 21, 22, 24, 31, 38, 47, 48, 49

0 – CP (Kitchen or Laundry Wastes), DIRECT – None

9 – CP (Kitchen or Laundry Wastes), INDIRECT – # 3, 10, 14, 26, 28, 34, 37, 43, 45

3 – NO FACILITIES, DIRECT – # 8, 18, 32

0 – NO FACILITIES, INDIRECT – None

26 – B.2. TOTAL

3. POTENTIAL POLLUTION – Periodic surveillance of these properties will be maintained to determine any status change.

7 – POTENTIAL POLLUTION – # 2, 11, 25, 29, 30, 40, 41

SECTION C: NONSEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

3 – DIRECT – # 4, 6, 27

0 – INDIRECT – None

3 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

0 – DIRECT – None

0 – INDIRECT – None

0 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

13 – MARINAS – # 4, 5, 6, 7, 9, 15, 27, 32, 33, 35, 36, 42, 46

2 – OTHER PLACES WHERE BOATS ARE MOORED – # 8, 50

0 – UNDER SURVEILLANCE – None

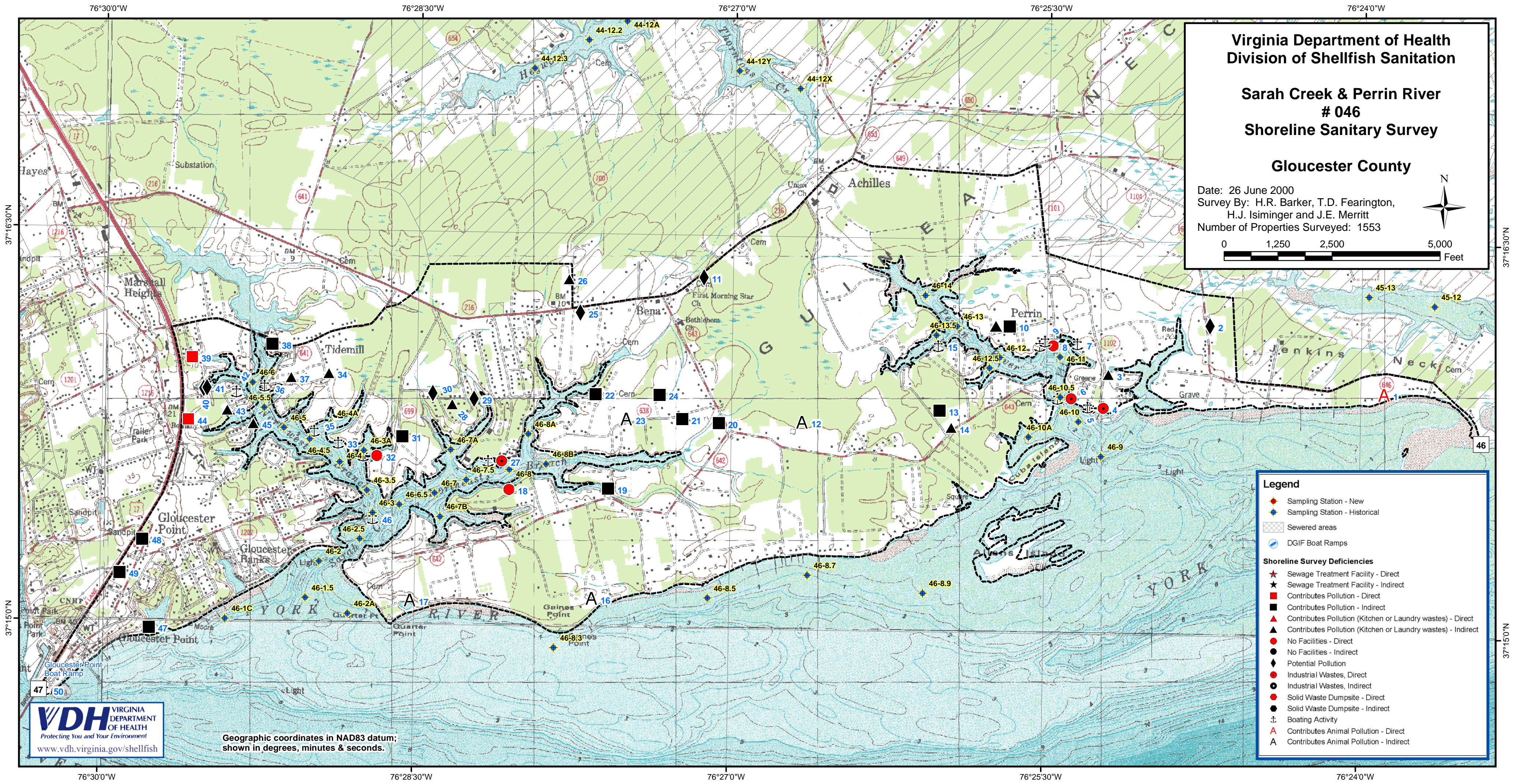
15 – D.TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

2 – DIRECT – # 1, 16

3 – INDIRECT – # 12, 17, 23

5 – E.TOTAL

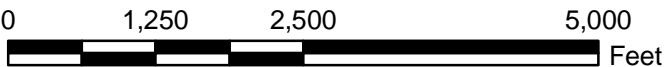


Virginia Department of Health
Division of Shellfish Sanitation

Sarah Creek & Perrin River
046
Shoreline Sanitary Survey

Gloucester County

Date: 26 June 2000
Survey By: H.R. Barker, T.D. Fearington,
H.J. Isiminger and J.E. Merritt
Number of Properties Surveyed: 1553



Legend

- Sampling Station - New
- Sampling Station - Historical
- Sewered areas
- DGIF Boat Ramps
- Shoreline Survey Deficiencies**
 - Sewage Treatment Facility - Direct
 - Sewage Treatment Facility - Indirect
 - Contributes Pollution - Direct
 - Contributes Pollution - Indirect
 - Contributes Pollution (Kitchen or Laundry wastes) - Direct
 - Contributes Pollution (Kitchen or Laundry wastes) - Indirect
 - No Facilities - Direct
 - No Facilities - Indirect
 - Potential Pollution
 - Industrial Wastes, Direct
 - Industrial Wastes, Indirect
 - Solid Waste Dumpsite - Direct
 - Solid Waste Dumpsite - Indirect
 - Boating Activity
 - Contributes Animal Pollution - Direct
 - Contributes Animal Pollution - Indirect